THE BALTIMORE SEAPLANE RACES

MATION

The Oldest American Aeronautical Magazine

NOVEMBER 3, 1924

Issued Weekly

PRICE 10 CENTS



VOLUME

SPECIAL FEATURES

13 RECORDS MADE AT BALTIMORE C. G. GREY'S BALTIMORE IMPRESSIONS ARMY AIR SERVICE ESTIMATES \$23,000,000 FLYING FROM ENGINEERING STANDPOINT

> GARDNER PUBLISHING CO., INC. HIGHLAND, N. Y. 225 FOURTH AVENUE, NEW YORK

Entered as Second-Class Matter, Nov. 22, 1220, at the Fost Office at Highland, N. Y. under Act of March 5, 1879.

Lumber 1 1904

A Triumph for "Bristol" Reliability

6 PRIZES 7

BRITISH LIGHT AEROPLANE TRIALS

WON BY AEROPLANES FITTED WITH THE 1095 CC

"Bristol"

CHERUB AIRCOOLED ENGINE



AVIATION

cor	TENTS
Phi ph. 12 New Broads at Baltanate 122 The Lithium Supplies West 122 Lithium Supplies West 122 Lithium Supplies West 122 Comment Baltanath Awards 122 Comment Baltanath Awards 122	S. A. Bed Christian Propert
GARDNER PUBLISHING	COMPANY, Inc., Publishers

COMPAN, AND ENTOREN, SOOMS... 225 FOREST AVENUE, NEW YORK.

Sub-cruzion princ. Four dollars nor year Smale census Irrael core Bordey. Forms that tre dear premouds Solverghon peer Four stiller per year compa cepus in resin Comeia, for delbox Finerym, as deliges a year Coppupit 1907, by the Gardier Publishes Formed as enconductors master Non. 22, 1525, at the Past Office or Hipkinsa, N. F., under not of March

FARMAN SPORT PLANES



FOR THE PILOT OR SPORTSMAN WHO WINNESS THE BUST Imposed from France, almost they are high to your order to the Largest Assemb Factory on the World-lett MORELS Settled 1.P. DELIVERSED PHILADELPHIA WALLACE KELLETT CO. INC.

PRILABELPHIA, PENNA

nor the Acr Mad. The writing on the wall is rather obvious The Effect of Tax Publicity

CD HE effect on error trade and unbatter of the contintablication of the recess taves of persons and occupa-

ters. The public will then know whether the slanderess

series to the books of quotinature, the resulting earnings or eers. This has led to a relationers to negatiate contracts at

pages available to respectively. the English plan of lattice seeken to savepall countractors at a name which approximathe congressor should make according profits or loans, it is taken into consideration in his next order so that in the end desperate need of orders will not break down the coverally

Political Expansion and Aircraft BUILD'S service of regulation state that the Resease are the constitution of an aurent service from Lean

Special Regard Tides corners, which hampeld Barners amough The court polytical regularance of this latest mass de-

before extended to Control and South Assesses. There may many medicine. And a communical country, somes affording

The Tested. Steady Service of Wright T-3 Engines

OVER two years ago the Wright Model "T" Ensine passed its experimental tests and is now the only high nower aircraft engine in volume production in the United States

With a record that includes various types of planes and unusual mains unexcelled for Durability. Low Frontal Resistance, Compactness, coupled with low weight nce H. P., making it most useful for not only heavy duty and weight carrying, but for high performance planes as well.

WRIGHT AERONAUTICAL CORPORATION

WRIGHT ENGINE

The Setting

The News Show

The Roses

appropriate for the various of the air vaces. Mr. Alessain, present the appropriat of the N.A.A., the congruence of the

The Sponsess

The rest experient of the dozen greets was the tast t

Naval toracis and lambing alone of anchor of Rev Share Park Rabbours, during the need combine sect 2001

Secretor 3, 1994 current. The world's resolute proords before this race ways Manney speed, 17107 pe /br (Lore). Alexander Passa

ion, Italy, Returning to Poted of Departure; 100 km (Eng. 25- too pilots flow the Schneider Cop Goorse and in ad--10's records in his 500 km flight. The new records

ndirec. 100 km., 176-52 or /hr., 200 km., 177-20 fame by recurring the one of pays reson Part to use may been fit Lembe. Termonyer of the Clab, held the pums steps on the The 100 has record was recreased by \$2.07 on the the

The Beltimere Sun Trophy Race

many ; a Custom MF with a CG capper at a speed of 7020 Durch | In race was a bandway officer of \$2 lope account a facts. In two was a bandway office of \$2 ups account a \$45 to investigate source or a total of \$6 up. Although

to the wide difference in speed the shore keet manner each

Four of the places belowed to the Rosess Auton. This reteran satist of commercial points have their commer bare at Rev. N. Y., and operate about Long Island Sound and Lake twocyc coming the sentiner and at strain. Fig., coring the letter reget. Harry Rosen is from the Lorence for Yorkt.



comps. Bear's Lawrent park 165 on for, Kodie's MP unit 788 on ht. Belgar's made 1870 on for, Nymeuric unit 688 on for, Bellevaries MP web 073 mate 578



NOW All precisions are unknown to charge in case any priorie were finded by constantants Poton Judges propriet and any

controls, which is not the same so being quick. Considering

vasced tracking machines they are unputsing performers.

Herenber 5, 14n The log frang-bests of the PNT class, with the new And, writing of the next war, that dressing medican-Alterether the whole offers was legitly metricity; and m



Army Air Service Estimates \$23,000,000 Details of New Craft the Air Service Hones to Purchase

The states and supplementary estimates of the Way De- service hopes to purchase a number of new NSS two-engand ong please will prince some Half Daland TWe and new of the Variety TSZ year. It is understand that me Folker section to ablied. Hearings on the Army badret have set suppose or said. Hoursely on toe army sudget have set new experiences. The Air Service also hears to assert the court of the plant of the Air Service for new planes and

Government Bids and Awards

Sang of Pepply and Assessed, Novy Department, bala as glace Ind 2, Accounting Laboratories, 202 Sweety St., Nat Transports, N. Y. 42 55 Bid 17, W. A. Brace Billion Cir., Vo. Pieladripher-1200 th bears ribeds medis-No.

Car to Paledoptes-1,500 gd spor version-23 bits T in 16, 16c, sets, SIRRM But 160, Murrhyle Co., Special Way, pp. 17, 4m, 18, LThe head, SIRRY Set

Print for non-Refs received Sept. 5, at the horsen up-Sten 1 Lond relati balloces, 6 au , 2, 800 de, 6 au , Lune 1 Sano Rolder Co., 1700 Bacodway, New York Day,

force Desperat-Bids are medel on Sept. 30 for the the long one.

Shed 1975 Philadelphia, 266 aciation' consecr flying mile.

Shed 1977, Philadelphia, 266 squarer and 276 weeter svin-

Select ACS, Philadelphia, plywood-Fither. The following hids were precised on Sept. S. un-

property on righer meany, but it is neighbored that the majoried serial torque average average around 500 m for

G. Klier & Ben., Staffelo, N. Y., 85, 100 days. 55 of 3 per Gallendet Arrenalt Corp. East Greenwish, R. L. 10 15, 41

Namine the 793

ANTICION of Oct. 12 conties the statement "The Shenevalcol-

It would seem that Languellow has not only rapplied a

Who Will Get the ZR3? The first desposition of the ZHA moretty named the Los

Armfor he Secretary of the New Wilher has not been do-

Flying from an Engineering Standpoint By CROVER LOENING

But the case of motivies is made different. The wale rates

Exerce's Novel Tips is one of a series at lectures or- the present day have a service enderstood and wreter to

front year. This is certainly audientarchible of owner by that are made the public to not made to realize that they

The Sofety of Flying litch to their familities and friends with an unovenion of

siren in addition to enclosively makesy ideas, and the busee saids different. We are therefore at the stars, and all a civilius endower is been added to our softlery and aged

The exclusional rade of extention in really in the the annual technical beckground that has developed in The processed tocknown oversignous and has develop mountal replace of today is not muchly is conted on many got the present America was engine to wrote this becknool with

argiant in an up, in early a ton of load about one handred when the load perfect to assembled data, eathered in the nate in year. He return to assentated cuts, pathweed in the laborate - of the return world, on well over fee hundred

fact, or po even number. The regioner and southedness and fact, are made movemble and the regioner sate thousand different

Name the nephrate files, is, because it in light ecough to do

weeth only one-thank the weight of class. Accounted on

piers, now accept duralisms as a fact magazine of any

read care, subsections, and sings can all be lightered easy

weed, largely pility, weighing only eight poems a cubic foot

Figuring Out on Airplane

nemeralist from the conflictor to extensible eneme made and Library maker. This experience is typical of the unfortunity

in the sarehor me have a totally different condition, because discreter. That right away puts the crunk shaft way up to mental was amond for a loss tase unid we marrie dended

port and amothly descent of place. This has been done

What seeded to the present disposition of the natur an-

As a matter of fact, the World Flight from an engenering

Samplet 3, 1936 describe the asserted regularized decountration of the follow similary has long been the division of accommissed recovering There are many difficulties, and the sugment must recognize anyone are and term we mean or accommissed experient man the plane but will hart to one. Thes is morely recognisand further fundamental we must realize as that an arrelana. column of the the recolumn of the steel care with their column suffers of the three would have suffered execute an volume must be supped by the reedede to be fixed as can a motor capital, and the time, negeratival regiments are cortain to The Builders' Reward A Real Christmas Present attracted adjusted to the avestor's seat, said cards being one next be assure up or down to different angular positions, or mind through every court for seven yours and they only soled the worping of the wing in the Weight palent. And a After of, \$160,000 to 10 years un't won a grandefeest has also we were courfing up the ramilies at the \$200ours. But what promoter to accompagin ever and has describe Suppress the Engine Naise Wright Corpn. Names its Engines family fractile to quest the suggest of an significant and the Levier conditions have been operating today as a west Air Tracel Slow to Start Surjection, and there may that remain some who extended New thoses, like our benefit a new, are new married when PI, 590 ip. sir resist regior, Wryshr-Cycles; Th 690-070 im water couled comes, Burshy Comes, wided and the airplant has largely had to recent a velocit with no reach to pile on New developments, incomes, as total value of finish revenue as suppress year years and restrict on August 22, 1928, which is about convey an aircelase. And this in the system employed in the world's elephaner The natural has survey been in Higgsign and the coordina of Wright Corp. Observation Plane, XXX, Neight-Molarit. consider aquelf furturate to be absoluted with this deal-"It is appreciated that this change in more must seem into the name of 7,746, find Oct. 30, 3900, which (Springer the was record of salerces, though specific cleans are not under In the to mad. "The order to reachle the numbers in he

birding pieces in case of difficulty, and the development of

is seen orderably on hardened non upon the root laughteline here of the plane. * Each of there become plane

or when it provided with appeardly and downwardly extend-

AIRPORTS AND AIRWAYS

Philadelphia New

Howevil Philadelphia anticinize livit layer such in the layer speak of the layer speak of the neutral execution Configuration and the neutral execution of Lording has always and the layer speak of the layer speak of the layer speak of Lording has always read to the layer speak of Lording has always read to the layer speak of Lording has always read to the layer speak of Lording has always read to the layer speak of Lording has always read to the layer speak of Lording has been speaked by the layer speak of Lording has been speaked by the layer speak of Lording has been speaked by the layer speak of Lording has been speaked by the layer speak of Lording has been speaked by the layer speak of Lording has a bright field of Lording has been speaked by the layer speak of Lording has a bright field of Lording has been speaked by the layer speaked layer for the report of Lording has a bright field from the layer and the layer speaked layer and the layer and the

much time in the entermity is any other pieces in the early. The Saminglan Annies March, and the Demonst before only in the Principle of the Control of the

hand just that reak with indeed not independ in the outling. Foremen and spirall what change it had of among the lings Foremen and spirall what change it had of among the property of the work in the contraction of the contraction of the theory of the work in the contraction of the contraction of the core, force in always used your to plan for sail from experts in regard time after using other of that from experts in regard time and support the plan for sail from the contraction of the contraction of the contraction of the from the field and in belong forward to greater encountered from the field and in belong forward to greater encountered the sail of the contraction of the contraction of the contraction of the work work with he represented steps of contraction of the work work with he represented of the contraction of the contraction

Portland, (Mo.) News

The enzamention of the Arm Cub of Molese whether place at the Congress Repeats Black, Statistics visiting, 33, towards or special services the subsection of the constraint of the subsection in accordance in Dated States, Arms of the XAA, Arms of the Congress of the XAA, and W. E. Grand Angusta, Me., recently appended Generate for the A. A.

into the who confer record for terms are it prifest into the part feeting in the conference in the con

San Diego News

A new round was of an initially, first 2. THE, and the control of the control of

Dayton News

Depton in returning to normalary after the Networksees, largor on the besteff that the PROOF deleta limits on said variety lies powe for the only and the infections on said variety lies and the infections of the property o

Secondary 3, 1994

magnetive range with the idea that
may should be decreased but we help

large scientists trees congress on the work?

In trink, M. Exemply, Amory deriver of Philodoloalitie, Germany, electrony, experiments of the ERA, and is governed to the strong conference of the ERA, and is present on the survival deriver the fields to America, but have accorded to McCook Field. Ele will report there the Deliver country to Devices, Magar Kennoy's in a speed at price of the Devices. Magar Kennoy's in the speed at price of the Devices Magar Kennoy's in the price of the Device Magar Kennoy's in the Object of the price of the Device Magar Kennoy's in the Object of the price of the Device Magar Kennoy's in the Object of the Device Magarine and the Object of the Device Magarine of the Object of the Device Magarine of the Object of the O

on to He was so enthinished one the residu that he waster to plet the Wife thing a full perfectance test.

The brismon Ampleme & Rappity Co. pleas to sum its

part a review mands, and a remaindance in the vertex right; order to retem to the west energy factor following the are mass. He is not in host for a repetitory in the fire Service, Offenda Man remaindance are respected by Maj B K Youet, The formuna, Cluston W Howard, Capt J H. Hardborn, and Capt Cherry Mendler.

on the record to attention on the word "Contact" belt of you through the field Observation Separator Profes Frish, by Sasting the wood. The day in or of large, belongs to Lieuts Harry H. Malle, A St The contact Number of

Cr Colouit

Charles H. Dierey, A., Van Drewisch, Faringie Program of the processing of a fine special processing of the processing o

Two views of the Bealton & Paul "Bolton" all-most bumber which is equipped with time 450 hp. Nepter "Lian" organic

lola (Kan.) News

hearthy, Ander Styme Berner mode is them as does could, when Abertal morphol over to like vary though Vorazlam Arealms Field, Tennérous, Text, 10 Hobertal Briefel, Kutzan Perk, P. M. Berner D. Data Depart of Dept permit Perk, Percent P. M. Hallettan, Fringe the Down to Data Depart of Dept Free, Devian to Wilselfer Aire Chappens had a finered limiting from Merror, Kern J. 20 on and of his nor-The matter opin him at about 1800 ft. His true to put down in a mail rathrit at the depth of the depth o

some time. The size year along the man does the best time tensor cut whichest a similar like was typing is made lain Frield Sec in tensilis. Prield Sec in tensilism an overhead radiator on his sport slay. Paid Sec in tensilism an overhead radiator on his sport slay. Paid Section is needly play, has quit flying to which law

Detroit News

Edda: We saw had expectly some not un over count true calk half Joshen belowen Debrets and Dispins dowing the National Ass Rever at Despins.

The Heldings Hore Auryan on Routhfeel Read has been The Heldings Hore Auryan on Routhfeel Read has been beatens in reported

The less of Copy Fore Short in full most despit by I took his brother offerers witherend at Buffrings Frield, and the Reserve Offerers whitefield in the John Pengell Grangs, no whom he

consisting distanced and the second of the s

Mayor Accests Aerial Man of New York On babalf of the Board of Estimate of New York, Mana-

The event comprises for shape and statest may. They have

wronger. The field is not a supercoal field and an air

different obstances of the three City, non this 200 displaying aviation services in shown by the English law

erms the surre city undered from the Frigorial Acrosl Cam-New York to the first city to the world to seeme took a

Two many were made. The first ineleges an area comes mentals 400 on my within the official rife limes, scale to-

The wood map covered an area of 635 aq mil. in lating

Landing at Poughkeepsis The following has been recoved from Harry L. Johnson

was shoot to virely Pought, oppose at 2500 ft, there was a "Seet a word about this field. Plane, stay awar from the

UNITED STATES AIR FORCES

II S ARMY AIR SERVICE Army Air Orders

Name | Orders No. 165, relating to See Lt. Lerone P. No. 1 Donald Broken Goodsisk, A.S., premoted to grade

Local Lot John A. Penrine, A.E. Acceptated Communicate Ser. I and Oakhert Waller, A.S. Off Ben, Corps, San Ap.

Najor Arnold Leaves California

Indian National Guard Squadron

Visitors at McCook Field The Distance Air Spect were burn tones for McCock Publish

Hote officerly and Manufacturers would the most there are many reserving the planes in verses maps: a distanceably showed many in the hangure. Among the are

One of the new Books Passad skeps was being profusied and evely folding wings assumed mark referred expensity among the even creal fiers. It is to be loped that of the military tests passer marriantees that show about the low-The DH with the awarded Lebesty around much succeed

The pretion sieve at work on relighting was a drive to

County second a correct one onse on a plane with the

inquiry evening that the mentione was equipped with a gowed notes and clock. The prop was a four blocked offer and the low speed was for take off and the low speed was for take off and the low speed was for take off and the low speed.

N AVIA	TION	Naveaber 3, 1884 Househor 3, 1926	AVIA	TION
	Shenandoah on Trip to Coast	Davids of Lt. Com	dr. Dichman	tary of the Navy which was transmitted in Asserting
U. S. NAVAL AVIATION aval Air Orders Cost George W. Storle, det. Ba. of Arro., Navy Dept.; to.	On Oat. 7 at 10 a. m. the Shoundeak breed, N. J. on its long bornidad crease.	started from Labo 2a. County Gratte acress the Aventure Qualitie, Celef., etc. C	e C Dichman, USN, was hilled at ed. 18, when his pints was destroyed by Chief Manhasoft Main Process comment	Commender Dichesta was one of the first tweety-day 2
O. Nur. Air Stn., Labelevert, N. J. Conde Jacob H. Klerr, the command Nav. Air Stn., Labe-	first log of its yearner and as she ards the areased much inhared and excelement the areased much light Worth Tay, via	d respectively along with shift inneres th. The first lay of The occulors sevent Washington flows to the control of the Sun Di-	end on the places with two others, was	or by North Carefron, the first cared count opagaged to served. Has training as a Navel Aviator was reserve the Navel Are Profess as Proceedings.
Ern Elbert A Poloser, del. USS Shawmot, to USS	sendance, S. C., Atlanta, Hirmanshorm, J. Billion. Blood wands were encountered in this slopy took 55 ke, to cover the 1475 at average of only 65 ms (in. The skip tri	out of the way and grant a mind out p	y-five first frees the ground when it turp breast and created to the ground, breast begat cuto flames and the awaster	Promused in albitist of the Naval Academy and on of the Navy Insting town of which his was a sension the ont has teen at the Academy, Commonder Deviana naw a stream as all chapter of Naval alique admentures to his gra-
is, Fig. to Nav. Alrereft Pastery, Navy Tand, Phill. Ph. Lord, Tiro Botta del Ba al Arro, Navy Dept., to Air-	average of only 40 ms rise. The stop are after dark but appeared to have little of measurer must. The hig slop speed as one the larger was perfectived, the guardent to	difficulty making the Commonder Diches by night at the man, setted for Newy at	e was been as New Terk in 1885 and 983 from Georgia. He was detailed to	tion. He was selected to command the first avadeon do need to nerve in France after the entirous of the was
Levil Addiphin W. Guston, del Ner Art Ste., Americka, C.; In U.S.S. Leurier, Evolvier Press. LA. (pt) John E. Shoomaker, del Arrevalt Spin. Setting Decimanda secretal Dev. 20, 1932.	At 9:05 a m on Oat, 6 the skip stat of	ff, shaping its some ree and I is death a new and to II Chair more in the Novel Se	It was riskely known throughout the ser- nt, short a distinguished and executive the risk to the first American officer benegated to the designation of was he	Ministry Available. He regumented Naval Air Station Monthly, Le Camma and Brest, At the time of his a he was attached to the Aircraft Remarkens of the Bands is
Lord John C. Adores (MC), det Narad Air Sta., Perma- la, Fla., to U.S.S. Langley. Lord Jones D. Bortonico (MC), del U.S.S. Langley; to	and San Diego, Calif. The 1356 of fi- tion Diego was covered in 35 by 65 or of the flight was purposely delayed as the in the roof evering and would not later	olds. The later part discressive as thousand the above could be assessed in a special	tay. Hos services during the War serve letter of communication from the Sason-	Peneral services were held in the Arlengton National stary Oct 23 and were attended by many friends and las officers of the decrease.
av Aur Sto., Pennaccia, Fin Lt. (16) Senued Si Arther, L4 (16) Pelos L. Baker, L4 (2) Charles C. Ferrers, L4 (16) Silan B. Mocce, L4 (16) av Si Signer, L4 (16) Apollo Scanris, L4 (16) Nix Wel-	once down. While making the most to and domain occurred to one of the tree	process profess alons		Ferry
en, det Nav. air Sta., Pennscola, Fin., to Arrendt Seda, orde Fit., sondring frangt Louis Miller B. Bernavare, det. Nav. Air Sta., Prenarola.	Li R. G. Mayor, repair effort of the a The night trip over the Nockeon was a the day. Near Cockeon, Arm., while fly disphile barrly mound a mountain risk	CAME	ere to Fly 🕀	NICHOLAS-BEAZLEY AIRPLANE CO. Studied J. J. in parient lim or Spreads James. Canada Resear, English Paris. Employed, Jor the June Canada Research Land
a., to Approach Sodies, Positie FR., seventure Tyres, Lord Charles T S. Gledden, det Nor. Aus Sts., Permeccia, In. Fla., to aircraft spiles, Battle Fit, irrotrong Syring Unit Martin D. Grossman Set. New Mrs. Permeccia.	out of the darkness. At other times the squales which weighted down the thip -	Officers and that the Lean is No. to be	N SCHOOL OF AVIATION THE	ROBERTSON ARCRAPT CORPORATION
a , to Arrough Sights, Bettle Pit, swelving Syeng Lt. (18) Edward O Ewes, Lt. (18) Albert B Hackler, Lt. (18) Edward O Ewes, Lt. (18) Albert B Hackler,	ship asserted the belts uplerded: First All Metal Naval Plane Tests The Naval died elizated arrelant has		of SCHOOL STATESON which the States of States and States of States and States of States of States and States States of States	Airplane Motors, Farm, Samblers there and Hangars 57, L4011 pt. 7100 Fig. 10 ANDLOW MO
to the Control of Salas, Lt. 1931 William St. N. Lo- seon Lt. (see Kidsow H. Exh., Lt. (193) George A. Berlin, 4. Nasal Aur Sin. Prenaucla, Tla., to Arrestit Salas,	has undergone preferences trials at Ga in a fighting place, known as the FSC	tries Cev. L. I. H. CALIFORNIA. L. convertible for ser Di wite alreated in	Y FLYING SCHOOL	CHAMBERLIN-ROWS AIRCRAFT CORP. Acad Adversors, Percepting Percept Control and
Lt. (12) Morrill F. Special del Naval Air Sta., Provincia, la., in Aurerell Syder, Baltle Pit, Involving Epine.	Chartes Word Hall, procured screwill by the Curton Arrophese & Heiser Co. and with the collaboration of seventh s of Arrophestary, Novy Department.	ander the director MN WATED operate of the Boson	SAN FRANCISCO	New York Air Terrettel Handwork Halphon, N. 3
DW Plane Makes New Records The earlife record for nearlesp field in a maplicar was solve in the long distance making plane NDW at the raval.	The plane is almost entirely constru- tented dural annu. One unusual fortige	of Continuous for the Angeless Supple		Certae Ethintee Company, Garden Cey, H & Figury Factor-Lupton Cive Strikes, E E Datine Vor Mean, \$1400, personal and death or company actions, need rises and death or company actions, need rises are to strike the company of the Com
or states. Assemble, D. C. Orl. 14 and 25. The pinter manared in the six for 20 by 10 cm; 10 or , thus breaking is all others parts of 14 by 51 cm; 24 see relationships in an assembly 100 at Assemble or 164, 12 and 12. list.	range, covering that is over the excid for These fasteness payment access to the in plane at may possel, then elementing the our the rater error when it is decired.	neer structure of for necessity for deserge Harriers PA	RTRIDGE, Inc.	AVE TOUR
st. 9 and 50 dor CSS very lane made an sandfaint record age of 20 for 28 on a but to the flaght was not treed by the all observers from the National According	The precipital advantage of using di- or the conceptional word and now in h	probation or the plant Park, Chings, Mr	Section Instruction Hall Address Tale to Yorks CR 1 Melion Are	FORT WASHINGTON, AGING BEAND FEVING BOAT SERVICE Colored Webstern Convention Contain Materializan Anglain Co., Inc.
e representative in the country of the Pidesystem Alexandropie Informationale, the informational processing holds in attention of records, the flight of the 2DW, which was no shown of the submerful to the P. VI. has authorized to great, will be submerful to the P. VI. has authorized to great.	variet in wealt in obtained. The was waste improved perference, washeling taster shads and lower landing speed. I were treas the Xern TSS desting when	re govern the plant to good to govern the upon the party of the Fifth of the development of the party of the	THEN TOURSLLY OF John To Are Mad Plants as 14-	SEU ARBON CLEVILAND Fring School for sections in Aviation. Pag on you Leave. Section VACO Francisco sept 66 edge.
e official record. The SEPS hash to the air at Associate at 2.67 p. m. Oct. and hashed at the EV A. W. Oct. 35. Now benefind or bear.	standard fighter of the Navy's are squared for completed F4C is at present at the	to novel are station of	of thebrit of Chings	Adventages from How Adventises Halles Hangain Physician Clarks for the Physics From A and Account of April 1988 (April 1988) and April 1988 (A
rest, unplang over the form were carried to the plane- ter she took to the on. The RHE is possived with a Wright I receive of 675 kg, and in \$300 kg as a single control plane, what the pilots, Leots Andrew Cruddey and R. D. Leots,	camous kinds to determine the variability in the persion squadram. The FSC in p. 31 regime of 300 by said him a design match 1 0 m cfr.		ST AIRWAYS CORP. CONNECTED, D.L. CON Bed Aride in America Control Congress to relients as invests mayo. Coping Congress to relients as invests mayo.	DAYTON, OHIO
 8 Nevy, had to shift place in the air when referring each flow at regular interests during the long boars of the flight. accommon most of incommunity 75 miles are traffic. 	Schneider Cop Racer Destroyed With archipping light truly near 1), the Nexal scriptor P2W planged	Philadelphia on St. Military		ANNON AMPLANCA SEPPLY CO.
and during the fluth, enthing the total distance overed best 1500 cm. The flight was not despread as a speed less, one-rer, but as a decensionation of the reducence power of the class, a very apported factor in the performance of all	Delyaure Roser off Fort Mritin. The Gordon, recipied Locus the cockput as iff the natur, and ream to a near-by tax	to pitce, Livel A or a Series	FINGINEERING CO. FINGINEERING CO. FINGINEERING CO. AND AND CO. AND AND CO. BORNE CO. AND AND CO. BORNE	ESSINGTON SCHOOL OF AVIATION Established print FLYING BOATS, SEAPLANES, AND SPACES ESTINGTON Upon user of Findelpade, FA
tions such as the SDW, doughed for date with the First tion.	jared "The plane was tell-berry," he said, "It went into a right term. I through while to bring the plane around. As I d	ofter being cured. THE SKY	YNE CORPORATION	27/Let LEN ANTONIO AVIATION & MOTOR DEBOGS footh of the Control of the Person Person AMPLIANCE, DESCR. PARTS, ESPERIOR, DOOR REALISTS
Soughas World Crysters used to the Area Air Service as here recent epochal assessed the world difficult course that the CNF has a greate inscessed operating many, and it equipped with a mark more powerful engine then the 400 bp- ule fit remains with which the World Crysters are fitted.	the rater, purposed and dave straight. The F297 was third given at the Paletta voice in which it took part rigged obey was recordly fitted with fixets for	tace paces in the Land	Please of Period Additionals Please of Period Perio	AMPLANCE DEGISES, PARTS, SUPPLIES, SOOPS, RANGERS, City Cities, Std Marrier Street. Day Advance. Teams

Navember 3, 385: Security 5, 1924 Mircraft Service Director AIRCRAFT SERVICE DIRECTORY

Air Speed Indicator PIONEER INSTRUMENT COMPANY MARKET PARKET PARKET STANDARDS AND FRANCISCO

WANTED- A number of 20 x 4 tires and tabes. Kindly communicate with THE LINCOLN STANDARD ADDRESS. HOUSE STREET

Army Stephen Arephares and Supplem Stanford St. CANS and Discuss tay motived from Contract Discussion (NaD-pNA motived are and said figure from and Weng, make of the Country Country Day of Elevat. Special broads and main Country Day and Country Day of Country Day and Country Day of Country Day and Country Country Day of Country Day

LUDINGTON EXHIBITION COMPANY Scort Farman Shina Firms from Self of G. S. Sabal Office Hill Advance Ship

PRITE FOR PRICES ON COMPLETE CANUCK and JN planes H52L flying beats OXS. DXX6 and Liberty maters

BELLANCA COLUMBIA AIRCRAFT CORPORATION

- PETREL MODEL FIVE-HUFF DALAND AERO CORPORATION

NEW HIST FLYING BOATS AND ME BOATS \$100.00 CIT Whoney-Control Ebbs PAUL G. ZIMMERMANN

LIEFPTY "12" AVIATION ENGINE PARTS ADDRESS SERVICE PROPERTY. TOCAL ARE CARRIED IN OUR STOCE JOHNSON MOTOR PRODUCTS INC. AND ASSESSMENT OF A VOICE OF A V. V. S. A.

> AMBALDO CANIN PLANISHS MAINT DISCOURT WHITE BOARD Please residence our Standards & s.co.

THE PURPOSE WHEN COMPANY IN

Annaldo Oriole Standard Owners ! Earl K. Parker, 1229 Denning Street, Denner, Colo. EVENING COURSE IN AERODYNAMICS AND AIRPLANE DESIGN

METAL AIRCRAFT

WHERE TO PROCURE EQUIPMENT AND SERVICES

SPECIAL RESULTS SPIACE STANDARDS. Below! goo

A control of D Interest and application closes will be delivered by Assertate Professor Minimake Element beganning on New 19, of the Washington Separat Deliver of New York University. The marginalism made Bernard Evenion Dermon, Engineering Scripes, 7 FOWARD D WADNED Consider in Assessment Formarine Commercial Operation of Aircraft Mass. Institute of Technology

G. S. IRELAND OX5 STANDARDS - \$625.00

RETTER THAN EVER American Propeller & Mfg. Co. Bultimore, Marriand

Statem Print State, States 41 Franks Frank for 1974.

Common 1 States 1973. USS Printers and States 1974. The common of the comm

Cambridge Merr tirreals Engine Design and Development GLENN D. ANGLE 5-451 Grarrel Motors Building

TIPS & SMITH if used regularly write for rates

Aug Admir Madelate EVERYTHING FOR AIRCRAFT Octobered Assert ATER N. Normannett Oliver

GROWING FAST Yes will see from the seed recent proper of AVIATION that the AIRCRAFT SERVICE DIRECTORY a counting all the home. There is not reason only for the-DIRECTORY ADS PAY

MATTHEW R. SELLERS

the Arrest of States State and William Property Control of this adorrtising space will \$1.00 CXL Dealer in Pine Shape \$150.00 Spart From min \$0.1 Spar Farchit, put. \$0.00 SD Lagin Mance 1310.00 To Fine Provided to \$175.00 Emphise of \$4 mpt. Anneles Sind \$10 Associative East Company, \$465.00 Spring Sec Associative First Company, \$465.00 Spring Sec pay for itself many times over

Consulting Aeronautical Engineer Ardslev-on-Hudson, N. Y.

AROUND THE WORLD SUICHT

Send for Bleeklys Seaplane Float Country-type"

L. W. FERDINAND & CO. 163 Kneeland St., Boston, Mass.

radiators on more than 10,000 aircraft Find to the sensors of the following context durates because they, Section Co. 1988, 1981.

Spiller Symbol 1981. Creates of Energies General sensor (Seller 1982, 1982). The sensor is the find that the sensor of t

ETABLISSEMENTS LAMBLIN SERVICE SERVICE FRANKE

DOPES

PICMENTED DOPES ENAMELS

TITANINE, Inc. UNION UNION COUNTY N I Cestropes to U.S. Generated

A Triumph of Endurance

ON Friday, October 3rd, seven Army planes raced at Dayton, Ohio. The save have now by a Marrin Bomber more than six years old. Before it came to the rating field this Martin Becaber had terreled over 350,000 six wides-more thus 14 times the distance arrested the

same event last year and second record place in the Dayton race the year before last. This is a remarkable second for dependshilly

hilties of the compenial plane we shall be slad to samply detailed information concerning Martin planes showing how

THE GLENN L. MARTIN COMPANY

Builden at Challes discost upon 1909

INDEX TO ADVERTISERS

THE HIGHEST GRADE OF NEW

FLVING BOATS OF HS2L TYPE ON THE MARKET such or welcom power plant, completely assembled reads for finite or pushed on brane ready for discussion, or one -Correctors 100% Complete.

For precious of innerentied born, blural space for members will be allowed from al charge.

A WACO FOR 1925

The simple appouncement of

PLEASURE AIRPLANE for

1925 is of great importance An emission

Watch for it

TROY, OHIO

a new, still better WACO COMMERCIAL

come down and look them over AMERICAN AIRCRAFT INC BUX IN STATION E

Toronter 7 1975

Speed and Efficiency



First in the Efficiency Event of the Avignos Town and Country Clob of Detroit Trepley

NEW SWALLOW VICTORIES

This values was first descript and may be regarded as a public resourcedors of the worderful firing and find name This system may first, described and may be required as a public resourcing of the resolution fields and find and find out of the system of the state of the stat Vacanta Fast in both the "On to Wicken Race" and the Free-fas-All Race for the Issue Treoby

SWALLOW AIRPLANE MFG. COMPANY

CLASSIFIED ADVERTISING

WANTED Cool 25 lorse Among 30 hourse Gastery or to the Day HT ANIATION Print S.L.F. Food monophine. Or well frede for good under set. P. L. Fryng, Byr 201, Marron, Masseire.

1700 NALE-Louis with city tree and whell. Mater good. Wange on owned the wanter. Will deliver Mild 90. Anzani Aircraft Motors



Type 843 75/30 HP. Dail lancers

Atlantic Building

Airplanes That you can use now and make money with

Curtiss JN4D an original crate.... \$1300.00 Curtiss IN4D used excellent condition Curton 3 pass, some cabin OX5 motor used one senson Cartus 3 tress, semi-cabin OXX6 motor 3000 feet in 10 mm, with full load cuanateed Lund Swallow 3 pass, OX5 motor in excellent condition . . . 1924 Lincoln Standard 5 pass, in excellent condition

These planes are priced for immediate sale and are subject to change in price without

K-6 Oriole 3 pass, brand new

notice. A 25% deposit will hold any of these planes 30 days. These planes can be impected at our Dayton Field JOHNSON AIRPLANE & SUPPLY COMPANY

Largest Dealers in Accompatical Equipment in the Country. Write for our Latest Issue of Special Price Lists Steting What You Are Chiefly Interested In



165 BRDADWAY

The Weekly Issue of AVIATION That You Miss Section con my new a separal substicibes, pery criation file schole; If we so a ferror as a codes for AVIATION is an adoption adjust to your collect fermion in each configuration.

AVIATION

The Only Assessed Acrost Works

ROEBLING



DEBLING'S SONS CO.

PLYWOOD Water Resistant Panels Made According to

Government Specifications Any Size or Thickness

Paterson N I IISA



LIEUT. MAUGHAN SUCCEEDED WITH THIS COMBINATION

When the Army Air Service decided to demonstrate to the world the mobility of American aircraft, they chose a Curtiss product.

Lieutenant Maughan's recent flight from New York to San Francisco between the hours of dawn and dusk was accomplished in a Curtiss designed and built Pursuit plane equipped with a Curtiss D-12 motor and a Curtiss-Reed one-piece duralumin propeller.

This threefold combination is indeed hard to beat, as each one preeminently leads its field. The plane of Curtiss design includes all the essentials necessary for high speed racing and high performance military aircraft, among which are:

Extreme maneuverability with comfort and visibility to the pilot at all times;

Multispar cellular wings, with covering of apruce planking instead of fabric—shrapnei proof—no cloth covering to lear off;

Steel tubular fuselage with a readily detachable engine mounting;

Split axle type of landing chassis, in which shocks are

absorbed by rubber discs acting in compression. This chassis, although but a few months old, has already been adopted as the standard type.

Quickly detachable wing or cellular radiators eliminating resistance heretofore required for cooling:

Oil temperature regulator, which permits instantaneous starting, even in the coldest weather, and then maintains the proper temperature of the oil while in flight.

The Curtiss D-12 motor, in addition to holding all the speed records of the world, now has to its credit Lieutenant Maughan's achievement. On account of the small frontal area of the D-12 for the first time the size of the pilot rather than the engine controls the size of the fuelage.

The Curtiss-Reed one-piece duralumin propeller, the safest and most efficient propeller ever tested, is unaffected by hail or rain, tall grass, small particles, age or climatic conditions. It too has done its part in winning these high speed and endurance tests.

The Curtiss Pursuit as a fighting unit has no competitor in the world. It has set new standards for plane, motor, and propeller.

On September 3rd Lieutenant R. C. Moffatt flew from Boston to New York in 58 minutes!

CURTISS AEROPLANE & MOTOR COMPANY, Inc.
GARDEN CITY, L. I.
BUFFALO, N. Y.

